# Author index




Akey,L.R. 47
Algom,D. 151
Allen,S. 161,389
Anselmi,C. 713
Aronov,E.V. 229,245
Axel,R. 209

Bailez,O. 483
Bartoshuk,L.M. 461
Baydar,A. 661
Beauchamp,G.K. 405,669
Behan,J. 1
Behbehani,M.M. 285
Beidler,L.M. 419
Bell,G.A. 161
Ben-Arie,N. 217
Best,D.J. 161
Bjerselius,R. 427
Blight,M.M. 483
Bonnans,S. 273
Boughter,J.D.,Jr 445
Breslin,P.A.S. 405
Bruch,R.C. 35
Buck,L. 203

Cain,W.S. 151,723
Carr,W.E.S. 67
Catalanotto,F.A. 461
Centini,M. 713
Chen,S.C. 47
Chess,J. 209
Cometto-Muñiz,J.E. 723
Cowart,B.J. 669

Dal Monte,M. 713
Davis,S.H. 449
Dennys,V. 27,307
Dowling,M.M. 209
DuBois,G. 307

Englehardt,R.A. 449
Evans,W.J. 751

Farbman,A.I. 35
Fast,K. 461
Fonta,C. 101,355
Frank,M.E. 495
Frijters,J.E.R. 93

Gent,J.F. 461
Gillmore,R. 161
Gilmore,M.M. 257,405,683
Glaser,D. 27,307
Gleeson,R.A. 67
Glendinning,J.I. 419
Granger,E.M. 419
Green,B.G. 257,405,683
Gross-Isseroff,R. 217

Halpern,B.P. 169
Hellekant,G. 27,307
Hettinger,T.P. 495
Hirakawa,T. 703
Hladik,C.M. 27,307
Honda,E. 703
Howells,P. 1

James,C. 161

Kelling,S.T. 169
Kendal-Reed,M. 1
Kiefer,S.W. 509
Kobal,G. 751

Laing,D.G. 161
Lancet,D. 217
Lehrner,J.P. 17
Liu,H. 285
Liu,Y.-H. 121
Lorig,T.S. 379,751
Lynch,J. 121

MacFie,H.J.H. 121
Mahadevan,R.S. 509
Mania-Farnell,B.L. 35
Margalit,T. 217
Marks,L.E. 151
Masson,C. 101,355,483
Mattes,R.D. 77
Mayer,M.S. 735
Mayer,T.S. 379
McBride,R.L. 83
McLaughlin,J.R. 735
Mela,D.J. 121
Miller,I.J.,Jr 449
Moore,F.H. 379
Muruganandam,A. 57
Mutus,B. 57
Myers,W.E. 495

Nakahara,S. 703
Ngai,J. 209
Noble,A.C. 273

Olséu,K.H. 427
Östrom,K.M. 461

Patterson,M.Q. 723
Paulson,G. 47
Pelosi,P. 713
Petrzilka,M. 661
Pham-Delegue,M.H. 483
Phillips,C. 449
Picard-Nizou,A.L. 483
Pierce,J.D.,Jr 245
Prah,J.D. 751
Prescott,J. 161,389
Reed,R.R. 199
Richardson,A. 1
Rinkes,T.H.N. 437
Roberts,T.W. 27,307
Rosen,S. 47

Schiffman,S.S. 449
Schott,M.-P. 661
Seidemann,E. 217
Shaffer,G.S. 683
Shepherd,G.M. 191
Simmen,B. 27,307
Smith,D.V. 285
Smith,J.C. 419
Starcevic,S.L. 57
Stephens,L. 389
Stevens,J.C. 723
Stevenson,R.J. 471
Sühnel,J. 131
Sun,X.-J. 101,355

Toyoshima,K. 703
Trapido-Rosenthal,H.G. 67
Travers,J.B. 47
Travers,S.P. 47

Van der Goes van Naters W.M. 437
Van Toller,S. 1

Wadhams,L.J. 483
Walters,D.E. 307
Wang,M.M. 199
Warrenburg,S. 379
Whitney,G. 445
Wysocki,C.J. 245

Yamazaki,K. 161
Yeomans,M.R. 471
Yokomukai,Y. 669
Yoshida,M. 161

Zielinski,B.S. 57
Zinkevich,E.P. 229
Zuniga,J.R. 449

# Subject index



**Alcohol**
taste, aversion generalization, rats 509
**Amitriptyline/adenylyl cyclase activity**
olfactory neurons, signal transduction, rat 35
**Androstenone**
cross adaptation, urinous odors, androstenone-like compounds 245
odor, Galaxolide, detection thresholds, sensitivity, insensitivity, specific anosmia 661
odor, molecular design, substances 229
**Antennal lobe**
interneurones, intracellular recordings, odour signal processing, honeybee 355
odours, interneurones, morphology, spatial distribution 101
**Astringency**
tactile sensation, dryness, lubrication, saliva, mucins, glycoproteins precipitation 405

**Capsaicin**
taste, irritation, desensitization, context effects 257
taste hedonics, sensation, affective change, humans 471
**Chemosensation**
memory psychophysics, odor-taste mixtures 151
**Chemosensory disorders**
physician knowledge/practices, survey 77
**Chemosensory event-related potentials**
olfactory, system, information, disease processes 751
**Copper chloride**
inhibitor, neural response, chorda tympani, golden hamster (*Mesocricetus auratus*) 495
**Cross adaptation**
androstenone, urinous odors, androstenone-like compounds 245

**Denervation**
taste, cells, structure, physiological properties, bullfrog (*Rana catesbeiana*) 703
**Detection thresholds**
olfactory, mixtures, additivity, sensitivity, smell and aging, threshold reliability 723

**EEG**
human olfaction, odours, cerebral cortex, perfume, BEAM, MDS 1
**Event-related potentials (ERPs)**
odor, visual labeling 379

**Facial nerve**
taste, anesthesia effects 461
**Floral odorants**
odorant-binding protein, competitive binding, tetrahydropyranyl ethers, tetrahydrofuranyl ethers, bovine, porcine 713
**Fungiform taste pores**
taste, sensitivities, fungiform papillae, citric acid taste perception, tongue flow chamber, human taste perception 449

**GABAergic**
taste, nucleus of the solitary tract, bicuculline, baclofen, inhibition 285
**Galaxolide**
odor, androstenone, detection thresholds, sensitivity, insensitivity, specific anosmia 661
**Gene expression**
olfactory neuron, coordinate regulation 199
**Genome mapping**
olfaction, signal transduction, human 217
**Glutathione**
olfaction, melanophores, monobromobimane, fish, *Oncorhynus mykiss* 57

**Human olfaction**
EEG, odours, cerebral cortex, perfume, BEAM, MDS 1

**Inhibitor**
copper chloride, neural response, chorda tympani, golden hamster (*Mesocricetus auratus*) 495
**Integration psychophysics**
study of mixtures, functional measurement 83

**Magnitude estimation**
semantic scaling, taste, category scales, temperature, chemical irritation, sucrose, ethanol 683
**Mixture percepts**
functional measurements 93
**Molecular biology**
olfaction, current issues 191
**Molecular design**
androstenone odor, substances 229

**NaCl**
taste, aging, behavior, electrophysiology, rat 419
**Neural response**
inhibitor, copper chloride, chorda tympani, golden hamster (*Mesocricetus auratus*) 495

**Odor**
androstenone, Galaxolide, detection thresholds, sensitivity, insensitivity, specific anosmia 661

antennal lobe, interneurones, morphology, spatial distribution 101
event-related potentials (ERPs), visual labeling 379
recognition memory, gender differences 17
**Odorant receptor genes**
olfactory epithelium, catfish 209
**Odorant receptors**
multigene family encoding, identification, analysis 203
**Odorant-binding protein**
floral odorants, competitive binding, tetrahydropyranyl ethers, tetrahydrofuranyl ethers, bovine, porcine 713
**Olfaction**
genome mapping, signal transduction, human 217
glutathione, melanophores, monobromobimane, fish, *Oncorhynus mykiss* 57
molecular biology, current issues 191
**Olfactory**
chemosensory event-related potentials, system, information, disease processes 751
detection thresholds, mixtures, additivity, sensitivity, smell and aging, threshold reliability 723
organ, stimulus access, removal, spiny lobster (*Panulirus argus*) 67
sensitivity, receptor cells, 17$\alpha$, 20$\beta$-P, $PGF_{2\alpha}$, crucian carp goldfish
taste, mixtures, interaction, isobole approach 131
**Olfactory discrimination**
volatile mixtures, proboscis extension reflex, conditioning, honeybee 483
**Olfactory epithelium**
odorant receptor genes, catfish 209
**Olfactory neuron**
gene expression, coordinate regulation 199
signal transduction, amitriptyline/adenylyl cyclase activity, rat 35

**Parkinson's disease patients**
preferences, taste 47
**Pheromone mixture discrimination**
behavior, perception, flight, cabbage looper 735
**Phylogeny**
taste, sweeteners, chorda tympani, primates, prosimiae, lemur 307

**Quinine**
taste, urea, bitter, PTC 669

**Semantic scaling**
magnitude estimation, taste, category scales, temperature, chemical irritation, sucrose, ethanol 683
**Sucrose octaacetate (SOA)**
taste, thresholds, human 445
**Sweeteners**
taste, phylogeny, chorda tympani, primates, prosimiae, lemur 307

**Taste**
alcohol, aversion generalization, rats 509
capsaicin, irritation, desensitization, context effects 257
denervation, cells, structure, physiological properties, bullfrog (*Rana catesbeiana*) 703
discrimination, cross-cultural study, Australians, Japanese 161
facial nerve, anesthesia effects 461
fungiform taste pores, sensitivities, fungiform papillae, citric acid taste perception, tongue flow chamber, human taste perception 449
GABAergic, nucleus of the solitary tract, bicuculline, baclofen, inhibition 285
magnitude estimation, semantic scaling, category scales, temperature, chemical irritation, sucrose, ethanol 683
NaCl, aging, behavior, electrophysiology, rat 419
olfactory, mixtures, interaction, isobole approach 131
phylogeny, sweeteners, chorda tympani, primates, prosimiae, lemur 307
preferences, Parkinson's disease patients 47
quinine, urea, bitter, PTC 669
sucrose octaacetate (SOA), thresholds, human 445
suppression, chemical irritation, temperature 389
sweet taste, seasonal body weight changes, relationship, primate (*Microcebus murinus*) 27
temporal perception, sweetness, sourness, fruitiness, suppression 273
transduction, anuran, cantharidin, glossopharyngeal, frog 169
tsetse, biting flies, *Glossina fuscipes*, tarsal receptors, human skin 437
**Taste hedonics**
capsaicin, sensation, affective change, humans 471
**Taste perception**
time–intensity measures, mouth coatings, effect 121
**Temporal perception**
taste, sweetness, sourness, fruitiness, suppression 273
**Time–intensity measures**
taste perception, mouth coatings, effect 121

**Tsetse**
taste, biting flies, *Glossina fuscipes*, tarsal receptors, human skin 437

**Urea**
taste, quinine, bitter, PTC 669

**Volatile mixtures**
olfactory discrimination, proboscis extension reflex, conditioning, honeybee 483